Work Order ID 119754

Wednesday, May 21, 2014 1:38:33 PM

119754

Item ID: D4943-1 **Accept** *N900040100* **Setup Start** *NS1*

Revision ID:

Item Name: EAPS Flex Hose w/ 90° Connection **Stop** *NS2*

Start Date: 10/13/2014 **Start Qty:** 8.00 *8*

Required Date: 10/13/2014 **Req'd Qty:** 8.00 *8*

Reference:

Cust Item ID:

Customer:

Approvals: **Process Plan:** CL **Date:** 14/05/21 **Tooling:** _____ **Date:** _____

QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr / **Revision Nbr**									
D4943 / B									
100		0.00							
100						CL 14/05/21 8			
Purchasing	**Memo**	0.00							
Purchasing	Issue P/O: 23323								
	Purchuse part #: 12EAS12S-03900F								
	Possible supplier: AERO-FLEX								
	Certificate of comformity is requirered								
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	**Memo**	0.00							
Packaging	Certificate of comformity is requirered.								

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

AGAINST DEPARTMENT/PROCESS

Skid-tube ☐ Crosstube ☐ Water Jet ☐ Engineering ☐
Machining ☐ Small Fab ☐ Prod. Eng. Coor. ☐ Quality ☐
Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
Doc/Data	☐									
Equip/Tooling	☐									
Handling/Pre	☐									
Material	☐									
Operator	☐									
Offset/Setup	☐									
Process	☐									
Supplier	☐									
Training	☐									
Transport	☐									
Unapproved	☐									

FAULT CATEGORY

Landing Gear

☐ Bending
☐ Centre Not Concentric
☐ Cracks
☐ Crimp/Kink/Ripple/Wave
☐ Cuffs
☐ Crushing
☐ Heat Treat
☐ Inspection Strip in Tube
☐ Marks/Chatter
☐ Turning Sequence
☐ Wave/Twist in Tube

General

☐ Bend
☐ BOM/Route
☐ Broken/Damage/Defect
☐ Burrs
☐ Contamination
☐ Countersink
☐ Cut Too Short
☐ Drawing
☐ Drill Holes
☐ Finish
☐ Fit/Function
☐ Folio/Program
☐ Grain
☐ Hardware
☐ Inspection Incomplete/Unqualified
☐ Instructions Incomplete/Unclear
☐ Misaligned/off center
☐ Mislabeled
☐ Misread
☐ Off-set
☐ Out of Calibration
☐ Out of Sequence
☐ Outside Dimensions
☐ Over/Under tolerance
☐ Part Incorrect
☐ Part Lost/Missing
☐ Part Moved
☐ Positioned Wrong
☐ Power Loss/Surge
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled
☐ Other

Item ID: D4943-1 **Accept** *N900040100* **Setup Start** *NS1*
Revision ID: **Stop** *NS2*
Item Name: EAPS Flex Hose w/ 90° Connection
Start Date: 10/13/2014 **Start Qty:** 8.00 *8* **Cust Item ID:**
Required Date: 10/13/2014 **Req'd Qty:** 8.00 *8* **Customer:**
Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____ **Run Start** *NR1*
QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____ **Stop** *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	**Memo**	0.00				_____	_____	_____	_____
Quality Control									
130	Identify as per dwg & Stock Location:_____	0.00							
130									
Packaging	**Memo**	0.00				_____	_____	_____	_____
Packaging									
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	**Memo**	0.00				_____	_____	_____	_____
Quality Control									

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

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Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

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Thermoforming ☐ Finishing ☐ Rec/Store/Packaging ☐ Other ☐
Large Fab ☐ Composite ☐ Supplier ☐

Root Cause		Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design	☐									
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☐ Set-up
☐ Temperature/Cure
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☐ Wrong Stock Pulled
☐ Other

Picklist Print

Wednesday, May 21, 2014 1:38:32 PM

Work Order ID: 119754 *119754*

Parent Item: D4943-1 *D4943-1*

Parent Item Name: EAPS Flex Hose w/ 90° Connection

Start Date: 10/13/2014 **Required Date:** 10/13/2014

Start Qty: 8.00 **Required Qty:** 8.00

Comments: IPP REV.A NEW ISSUE JFS 13/09/19 VERIFY BY: DD IPP REV.B 14.05.05 AS PER DWG REV.B DD VERIFY BY:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
12EAS1S2-03900F *12EAS1S2-03900F* FLEX HOSE		Purchased	No				Each	0.0000	**	8			

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

QA Closed: Date: Work Order update only ☐

Work Order: _____

Part No. _____

NCR No. _____

DISPOSITION

Rework ☐
Scrap ☐
Use-as-is ☐
Suspected Unapproved ☐

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Equip/Tooling	☐									
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Process	☐									
Supplier	☐									
Training	☐									
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DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE

DART AEROSPACE

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Work Order: _____

Part No. _____

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Scrap ☐
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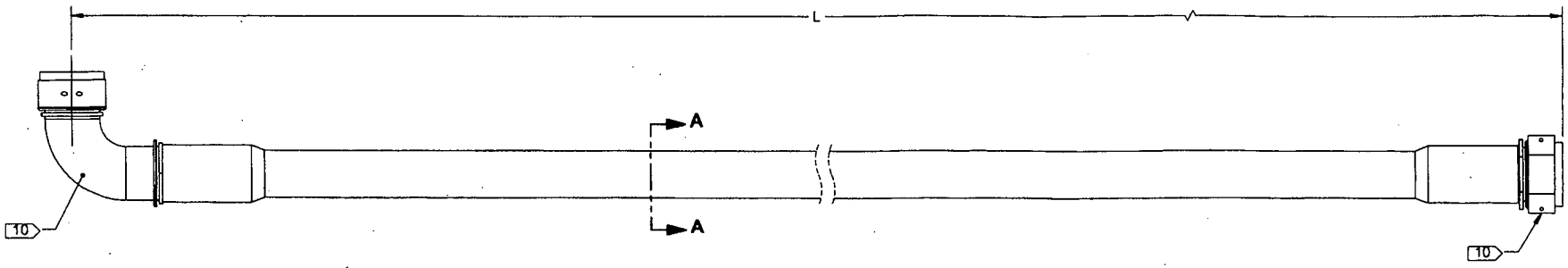
☐ Folio/Program
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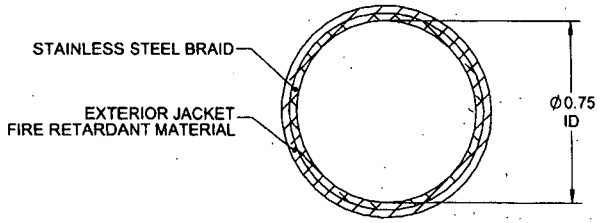
☐ Pressure/Forced
☐ Set-up
☐ Temperature/Cure
☐ Weld
☐ Wrong Stock Pulled

☐ Other

SPECIFICATION CONTROL DRAWING



D4943-XX FLEX HOSE



SECTION A-A
TUBE BUILD-UP

DART P/N	L	VENDOR	VENDOR P/N	WEIGHT	
D4943-1	40.00	AERO-FLEX	12EAS12S-03900F	1.3 lbs	B

CQ14105121
W10: 119754

RELEASED
2014 -05- 21

NOTES:
1) MATERIAL: BRAID: STAINLESS STEEL PER MANUFACTURER
JACKET: FIRE RETARDENT MATERIAL PER MANUFACTURER
END FITTING: STAINLESS STEEL PER MANUFACTURER
2) FINISH: N/A
3) TOLERANCES: N/A
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: N/A
6) IDENTIFICATION: PER QSI 044 6.1.
7) WEIGHT: SEE TABLE
8) MAXIMUM OPERATING TEMPERATURE 500°F
9) MAXIMUM OPERATING PRESSURE 120 PSI
10) END FITTING REQUIREMENTS: FEMALE, 3/4, 37° JIC FITTING (THREAD 1-1/16 UN), WITH LOCKWIRE HOLES

REV.	DESCRIPTION	BY	DATE
B	SEE CHART: VENDOR WAS SWAGELOK, VENDOR P/N WAS SS-FJ12TA12AS12-40F. REASON: VENDOR CHANGED FOR LEADTIME ISSUES.	AJS	14.03.14
A	NEW ISSUE	AJS	13.09.18

APPROVED

DESIGN	AS
DRAWN	AJS
CHECKED	AP
MFG. APPR.	JLM
APPROVED	MP
DE APPR.	DS
DATE	14.03.14

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. D4943 REV. B
SHEET 1 OF 1
TITLE FLEX HOSE
SCALE NTS

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23323

Purchase Order Date 3/12/2014
PO Print Date 5/21/2014

Order From : VU-AFL001

AERO-FLEX CORP
3147 JUPITER PARK CIR
JUPITER, FLORIDA 33458
USA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 561-745-2534

Ship To Contact
Ship To Phone
Ship Via: FedEx Priority First collect
Ship Acct:

Buyer
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB FCA – (Free Carrier)

6	12EAS1S2-03900F	FLEX HOSE	9/12/2014 Yes 9/12/2014	FN	8.00 Each		$499.00	$3,9

Manufactuer as per drawing D4943
rev.B
B119753

Manufacture P/N 12EAS1S2-03900F

Line Total: $3,9

7	12EAS1S2-03900F	FLEX HOSE	10/13/2014 Yes 10/13/2014	FN	8.00 Each		$499.00	$3,9

Manufactuer as per drawing D4943
rev.B
B119754

Manufacture P/N 12EAS1S2-03900F

Line Total: $3,9

Note:

Aero-Flex Corp.
Jupiter, FL 33458
3147 Jupiter Park Circle

Phone# 561-745-2534 Fax# 561-745-2537
www.aero-flex.aero

AERO-FLEX
EST 2008

Satisfied? Did you get Hosed?
Please complete Aero-Flex's
Satisfaction Survey located at
www.Aero-Flex.aero

Packing Slip

Certificate of Conformance

Date	Invoice #
9/4/2014	2229

Bill To	Ship To
Dart Aerospace Ltd 1270 Aberdeen Street Hawkesbury, ON K6A 1K7	Dart Aerospace Ltd 1270 Aberdeen Street Hawkesbury, ON K6A 1K7

AF S.O. #	Customer P.O. #	Ship Date	Via	FOB	Project
PO23323	PO23323	9/4/2014	Federal Express		PO23323

Quantity	Item	Part Number/Rev	Description
8	6	12EAS1S2-03900F	EAPS Flex Hose With/90 degree Connection, drawing D4943-1 Rev B Due 9/12/14

We hereby certify the above parts, including all materials, have been manufactured, tested and packed in conformance with all requirements of your order and the applicable government specifications and standards. Records of tests, inspections and certification indicating the above conformance are on file at Aero-Flex Corp. availabe for examination. It is hereby certified that any parts identified with TSO identification (a) were produced under Federal Aviation Administration (FAA) approved manufacturing and quality control system/methods as set forth in the FAA issued Technical Standard Order authorizations (TSO), and (b) such parts and/or materials are new and are in condition for safe operation. If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards in this TSO.

It is the responsibility of those desiring to install this hose assembly on an aircraft or engine to determine that the installation will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved. The hose assembly may only be installed in a manner acceptable to, or approved by, the Administrator.

The above commodities are subject to the Export Administration Regulations (EAR) and/or International Traffic in Arms Regulations (ITAR). If applicable, it is your responsibility to obtain a validated export license for this material from the Department of Commerce or the Department of State if so required under the applicable U.S. Govt. Export Control Regulation. The above material shall not be shipped to any country that has an embargo placed on it by the U.S. Govt or any entity on the U.S. Debarred list. By accepting the items on this PackSlip/C of C/Invoice you agree to Aero-Flex Corp's Terms and Conditions of Sale. These commodities, technology or software were exported from the United States in accordance with Export Administration Regulations. Diversion contrary to U.S. law is prohibited. These items may not be used directly or indirectly in prohibited nuclear, chemical, biological, or missile weapon activities.

Michael E. Scott
Michael E. Scott
Quality Manager

Form 4QF015-01
REV B

Aero-Flex Corporation
3147 Jupiter Park Circle, Ste. 2
Jupiter, Florida 33458
Ph 561.745.2534 Fax 561.745.2537

PRESSURE TESTING / HELIUM MASS SPEC EXAMINATION REPORT

☐ Aerospace ☑ Ground Support

TO: Aero-Flex Corporation				FROM: Jason Farris	DATE: 05/02/2014
PROJECT — AF Dwg: 12EAS1S2-03900F	Dwg Rev: -	Part: 12EAS1S2-03900F	Part Rev: -		
PURCHASE ORDER NO.: AF INVENTORY Line 1				AF ROUTER NO.: STK3443	
ITEM	☑ Weld ☐ Castings ☑ Pipe ☐ Machined Parts			Other: Hose	
	☑ Non-Weld ☐ Castings ☑ Pipe ☐ Machined Parts			Other: Hose	
MATERIAL	Size: 3/4"	No. of pieces: 1	Type of Base Metal: AUSS	Type of Filler Metal: P8	WELD: ☑ As Welded ☐ Smooth
LOCATION	Location: Aero-Flex Corporation			System: PT-001	
AcceptanceStandard: CUSTOMER				Procedure: AF 2QP024	
TYPE OF CHECK	☑ Initial ☐ In Process ☐ Rework ☐ 24 Hr ☐ 7 Day ☑ Final				
TYPE OF INSPECTION METHOD	☑ Hydrostatic ☐ Pneumatic ☐ Bubble Test ☐ HMST-Pressurized Components ☐ HMST-Evacuated Components				
	Test Pressure/Vacuum: 180	Test Temperature: 75°F Ambient		HMST Test Instrument: N/A	
	Test Medium/Concentration: Potable Tap Water	Bubble Solution: N/A		HMST Standard Leak: N/A	
	Gage Mfr.: McDaniel	Model: FIP-GF	Range: 0-3000 PSIG	ID Number: AFCG301	Tracer Gas/Concentration: N/A
	Soak Time/Test Holding Time: 10 Minutes Minimum				HMST Sensitivity Acceptance: N/A

Reference Summary ☐ See Attachment

CUTOMER DRAWING

Results of Inspection

Satisfactory/Pass
No Leaks were Detected.

CopyTo: AF File	Requested By: PO Contract	Reported By: Jason Farris
	☐ Customer Specifications ☑ Accept ☐ Reject	Quality Designee: Mike Neimark

NOTICE: THIS EXAMINATION REPORT IS A REPORT OF THE RESULTS OF THE TEST PROCEDURES ACTUALLY PERFORMED BY THIS COMPANY. IT IS SUBJECT TO THE LIMITATIONS OF THE TESTING SPECIFICATIONS AND PROCEDURES WHICH WERE UTILIZED. BY FURNISHING THIS REPORT, AERO-FLEX CORPORATION DOES NOT GUARANTEE ANY CONDITION OF THE TESTED SPECIMEN.

CERTIFICATE OF INSPECTION

QC Laboratories, Inc

HOME OFFICE
2870 Stirling Road • Hollywood, Fl 33020-1199
Ph 954 925-0499 • Miami 305 949-3166 • Fax 954 925-5851

	MAGNETIC PARTICLE
	ULTRASONIC
X	PENETRANT
	X-RAY
	EDDY CURRENT
	WELDING

DATE	05-20-14
COMPANY NAME	Aero-Flex Corp.
ADDRESS	3147 Jupiter Park Circle Jupiter, FL 33458

MM
5/21/14

PARTS LISTED BELOW APPLY ON YOUR P.O.	140520MS	QCL INV. No.	A139914	IDENTIFIED BY	CE	JOB No.	14E-1103

QUANTITY	PART NUMBER	DESCRIPTION	PART ACCEPTED	PARTS REJECTED
1	N/A	AF Router Stk3443/Dwg 12EAS1S2-03900F	1	0
		2 welds 0.75" dia (W1,W2)		
4	N/A	AF Router Stk3444/Dwg 12EAS1S2-03900F	4	0
		8 welds 0.75" dia (W1,W2)		

THE ABOVE LISTED PARTS HAVE BEEN INSPECTED AS PER: ***FPI per ASTM E1417/E1417M-13 Type I, Method A, Sensitivity Level 3, Form A. Accept per AWS D17.1 Class B.***

Q.C. Laboratories,Inc. Maximum Liability for loss(es) of any kind due to interpretation, is invoice charges

Q.C. LABORATORIES, INC
CERTIFICATE FAA REPAIR STATION #CD4R098M

Inspector

Cornelius Eafford Level II